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Arash Outadi

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Experience

Engineering Co-op Student **Andritz Ltd.** **Aug 2016 - Dec 2016**

- Created Excel utilities with VBA that massively stream-lined SAP processes, saving Project Managers 10 hours every week
- Developed Python GUI database app with SQLite to reduce time searching for SAP materials by 50%

Data Analyst Intern **Canadian Logistics** **Dec 2015 - May 2016**

- Replaced manual processes with Python to efficiently consolidate all data saving 2 hours per day
- Improved hiring practices by analyzing compiled data to demonstrate the low retention rates associated with hiring through labor agencies
- Utilized Excel pivot tables to summarize, categorize, and present data allowing the owner to make informed decisions about company operations

Education

Vancouver, BC **University of British Columbia** **Sep 2013 - May 2018**

B.A.Sc in Mechanical Engineering GPA: 3.6/4.33

Projects

- **Strength Journal** ([Google Play Store](#)) ([Github](#)) *Kotlin, Java, XML, SQLite*,
An Android workout tracker that let's you jump straight into recording your exercises
- **Element Eraser** ([Chrome Web Store](#)) ([Github](#)) *JavaScript, Chrome API, HTML, CSS*,
A chrome extension that automatically removes any content that the user does not want to see. Furthermore users can save multiple profiles for any website
- **Blob Combat Simulation** ([Github](#)) *C++, SFML, QtCreator, Eigen*,
Developed a simulation where 'blobs' evolve to fight using neural networks and different genetic selection algorithms
- **Water Jet Propelled Vehicle** ([Portfolio Link](#)) *C, MATLAB, SolidWorks, 3D Printing*,
Built a water-jet propelled RC car that came 1st place out of 20 teams in competition, scoring major points for a time marching simulation that predicted vehicle kinematics to within 12% accuracy
- **Improved UBC Transcript** ([Github](#)) *Python, Flask, JavaScript*,
A JavaScript bookmarklet that users can easily click to enhance the unofficial UBC Transcript by removing clutter and adding course information to grades. Retrieves information from web app with REST API

Languages and Technologies

- General Programming: Python, C++, Java, Kotlin, C, MATLAB, VBA
- Web Development: Flask, Django, Selenium, Javascript, HTML, CSS
- IDEs: Visual Studio, Android Studio, QtCreator, PyCharm, IntelliJ